INITIWIINATIONAL SEARCH REPORT

International Application No PCT/US2004/038781

A CLASSIFICATION OF SUBJECT MATTER INV. A61K47/48

According to International Patent Classification (IPC) of to both national classification and IPC

8. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, CHEM ABS Data, EMBASE

C. DOCUME	,		T
Category *	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to claim No
Y	HANG H. C. ET AL: "Ketone iso 2-N-Acetamidosugars as substra metabolic cell surface enginee J. AM. CHEM. SOC, vol. 123, 2001, pages 1242-124 XP 3635622 page 1243, column 2, paragraph Ib, 2	ate for ering" 13,	1-4, 8-18, 22-38, 42-48
x	KHIDEKEL N. ET AL: "A chemoe approach toward the rapid and detection of O-GlcNAc posttrans modifi cations" J AM. CHEM. SOC, vol. 125, June 2003 (2003-06), 16162-16163, XP008055588 page 16162, column 2 - page 16	sensitive lati onal pages	1-4, 8-13, 16-18, 22-26, 28-38, 42-45
X Furti	her documents are listed in the continuation of box C	X Patent family members are listed in	п аплех
"A" docume consid "E" earlier of tiling d "L" docume which citation "O" docume other r "P" docume	tegories of cited documents ent defining the general state of the art which is not lered to be of particular relevance document but published on or after the international late in thich may throw doubts on priority claum(s) or is cited to establish the publication date of another no rother special reason (as specified) ent relerang to an oral disclosure, use, exhibition of means used to the international filing date but the priority date claimed	"T" later document published after the inter- or priority date and not in conflict with cited to understand trie principle or the invention "X" document of particular relevance, the considered novel or cannot involve an inventive step when the document of particular relevance, the considered to involve an	the application but terry underlying the laimed invention be considered to cument is taken alone laimed invention rentive step when the re other such docur- is to a person skilled
Date of the	actual completion of the international search	Date of mailing of the international sear	ch report
1	7 November 2005	0 6. 03 2006	
Name and r	mailing address of the ISA European Patent Office, P B 581 8 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo nl Fax (+31-70) 340 3016	Authorized officer Gonzalez Ramon, N	

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International Application No PCT/US2004/038781

Corting	Sign) DOCIMENTS CONSIDERED TO BE DELEVANT	PCT/US2004/038781			
(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT ategory * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.					
ategory	от поставления и поставления в при при в при предоставления разма дес	Relevant to claim No.			
Y	QASBA P K: "Involvement of sugars in protein-protein interactions" CARBOHYDRATE POLYMERS, APPLIED SCIENCE PUBLISHERS, LTD. BARKING, GB, vol . 41, no. 3, March 2000 (2000-03) , pages 293-309, XP004244362 ISSN: 0144-8617 figure 12	1-4, 8-18, 22-38, 42-48			
P,X	wo 2004/063344 A (NATIONAL INSTITUTES OF HEALTH; QASBA, PRADMAN; RAMAKRI SHNAN, BOOPATHY;) 29 July 2004 (2004-07-29) page 28; claims 43-49	1-4, 8-18, 22-38, 42-48			
P,X	wo 2004/017810 A (BIOTI E THERAPIES CORP; NATUNEN, JARI ; TENEBERG, SUSANN; KARLSSON, KARL) 4 March 2004 (2004-03-04)	1-4,8, 13-18, 22, 27-32, 37,38, 42-48			
	page 28; cl aim 54 page 32 page 39, paragraph 2 cl aims 10,14,15; exampl es 4,7,13				
P,X	wo 2004/019992 A (CHIRON SRL; GIANNOZZI, ALDO; AVERANI, GIOVANNI; NORELLI, FRANCESCO; CO) 11 March 2004 (2004-03-11)	1-3, 8-10, 13-18, 22-24, 27-29, 43-48			
	page 8; claims 33,43 figures 1,2	43-40			
E	US 2005/130235 AI (HSI EH-WI LSON L.) 16 June 2005 (2005-06-16)	1-4, 8-18, 22-38, 42-48			
	page 2; f i gures IB, 3-5, 13,21 page 10, column 1; claims 31-34,41 ,42				

INTERNATIONAL SEARCH REPORT

International application No PCT/US2@04/038781

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons
1 y Claims Nos because they relate to subject matter not required to be searched by this Authority, namely
Although claims 13-18, 22-29, 45,46 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2 \\ Claims Nos because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically
Claims Nos because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows
see additi onal sheet
1
2 J I As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid specifically claims Nos
No required additional search fees were timely paid by the applicant Consequently, this International Search Report is restricted to the invention first mentioned in the claims it is covered by claims Nos 1-4, 8-18, 22-38, 42-48 in part
Remark on Protest The additional search fees were accompanied by the applicant s protest No protest accompanied the payment of additional search fees

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 8-18, 22-38, 42-48 in part

A targeted glycoconjugate comprising a bioactive agent and a targeting compound wherein the bioactive agent and targeting compound are joined by a modified saccharide compound and wherein the targeting compound comprises a glycoprotein.

Excluding the subject matter of inventions 2-5.

2. claims: 1-4, 8-18, 22-38, 42-48 in part

A targeted glycoconjugate comprising a bioactive agent and a targeting compound wherein the bioactive agent and targeting compound are joined by a modified saccharide compound and wherein the targeting compound comprises a glycolipid. Excluding the subject matter of inventions 1, 3-5.

3. claims: 1-4, 8-18, 22-38, 42-48 in part

A targeted glycoconjugate comprising a bioactive agent and a targeting compound wherein the bioactive agent and targeting compound are joined by a modified saccharide compound and wherein the targeting compound comprises a carbohydrate. Excluding the subject matter of inventions 1, 2, 4, 5.

4. claims: 1, 4-16, 18-36, 38-48 in part

A targeted glycoconjugate comprising a bioactive agent and a targeting compound wherein the bioactive agent and targeting compound are joined by a modified saccharide compound and wherein the targeting compound comprises a receptor ligand. Excluding the subject matter of inventions 1-3, 5.

5. claims: 1, 4-16, 18-36, 38-48 in part

A targeted glycoconjugate comprising a bioactive agent and a targeting compound wherein the bioactive agent and targeting compound are joined by a modified saccharide compound and wherein the targeting compound comprises an antibody. Excluding the subject matter of inventions 1-4.



Information on patent family members

International Application No PCT/US2004/038781

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